



THE
one
ANSWER **TO ALL**
YOUR
POWER
NEEDS.



450+
EMPLOYEES



400,00+
INSTALLATIONS



160+
SERVICE ENGINEERS



50+
SALES/SERVICE CENTERS

Power-One Microsystems established in the year 1992 is India's preferred Power Solution equipment supplier with 32+ years experience in the Power Electronics Industry. Power-One specializes in the design and manufacturing of cutting-edge solutions including Industrial On-Line UPS, Modular UPS, Voltage Stabilizers, Isolation Transformers, Frequency Converters, Solar On Grid Inverters, Solar Hybrid Inverters, Energy Storage Systems and EV Chargers. Headquartered in Bengaluru, India, and supported by regional offices nationwide, we ensure exceptional after Sales service through a dedicated team of 160+ strategically positioned service engineers.

SOLAR ON-GRID INVERTERS

On-Grid Inverter provides net metering capabilities and helps in converting DC power into AC, making customers become self-sufficient in power generation and helping them to produce enough power to export back to the local electrical grid.

Offered in the capacities of:

Single Phase : 1kW, 2kW, 3kW, 5kW, 6kW

Three Phase : 5kW, 6kW, 8kW, 10kW, 12kW, 15kW, 20kW, 25kW, 33kW, 35kW, 40kW, 50kW, 60kW, 70 kW, 80kW, 90 kW, 100kW, 110kW, 120kW, 125kW, 136kW, 150kW, 200kW, 250kW

MAIN FEATURES

- Compact design for easy installation
- Wide input voltage & Frequency Range
- Natural Cooling / Forced Air Cooling
- Mobile app monitoring
- DC overlapping upto 30%
- AC overlapping upto 10%
- Transformerless Grid - Tie Technology
- Dual / Multi MPPT design
- Built in surge protection design for AC & DC side
- Optional: Zero Export, Weather monitoring



SOLAR HYBRID INVERTER

Power-One offers the industry's widest range of Solar Hybrid String Inverters from 1 kW upto 250 kW. Hybrid Inverter provides net metering capabilities along with battery storage. These Hybrid Inverters are compatible to connect with all type of battery technologies like Tubular, Li-ion etc. We offer Transformer based and Transformerless Hybrid Inverters based on the load type according to the customer requirements.

Offered in the capacities of :

Single Phase : 1kW, 2kW, 3kW, 4kW, 5kW and 6kW

Three Phase : 10kW, 15kW, 20kW, 30kW, 50kW, 60kW, 80kW, 100kW, 120kW, 150kW, 200kW, 250kW

MAIN FEATURES

- Pure sine wave output
- Local load consumption & Export excess power to Grid
- Can be programmed to supply priority for Solar, Battery or Grid
- Programmable multiple operation mode like Grid-Tied, off-Grid and Grid-Tied with battery backup
- Parallel operation up to 6 units available for 3kW/4kW/5kW/ & 10kW models
- Communication RS 232, Modbus, SNMP & GPRS (optional)
- Suitable for, Tubular, GEL and Li-ion



TRANSFORMER BASED UPS



PMP series UPS has a compact footprint with in-built Isolation Transformer. The state-of-the art, double conversion topology and design of the PMP Series UPS is flexible and can meet practically all customer requirements

11kVA - 600kVA Industrial grade UPS with in-built Isolation Transformer and Noise Reduction Filters

MAIN FEATURES

- VFI, Online double conversion topology
- Strong anti-interference ability and protection
- IGBT Based DSP technology guarantees high reliability
- Robust electrical design to withstand all kinds of loads
- Parallel operation upto 4 units
- Input phase sequences protection
- Screw less cabinet design protection against moisture,dust,corrosion
- PCB to withstand harsh conditions
- Unique ventilation design for effective heat dissipation
- Easy integration into existing electrical networks of generator
- Wide input range
- RS 232, RS 485, MODBUS, SNMP
- Dry contact options

TRANSFORMERLESS UPS

PPM Series : The PPM IGBT Rectifier Series UPS introduces a compact 3-level IGBT Technology at both inverter and rectifier with a transformer-free design. This innovative approach results in enhanced efficiency housed within a significantly smaller and lighter unit.

Offered in the capacities of :

11 kVA - 200 kVA

MAIN FEATURES

- 3 Levels IGBT design to achieve efficiency upto 96%
- Power walk-In and sleep mode in parallel connection
- Best in class single phase application
- High reliability design
- Wide input voltage range
- Battery flexibility feature
- RS 232, SNMP
- Wide input range
- Input phase sequences protection

UHF Series : Advanced High Frequency, DSP Controlled IGBT Based Online UPS for better reliability and faster operation. It ensures consistent pure sine wave output thanks to the latest technology.

Offered in the capacities of :

Single Phase Output : 1kVA to 10 kVA

- DSP based digital controller
- IGBT PWM rectifier
- Input PF Near to Unity
- Low input THDi
- High Voltage window
- Optional Isolation Transformer
- Wide input range
- RS 232, SNMP



ONLINE MODULAR UPS



Online Modular UPS systems are VFI-SS-111 Class, Double conversion three level IGBT enabling configurations from 30kVA/kW to 600kVA/kW in a single cabinet. The widest range of configurations for medium-to-large sized power solutions. Online Modular UPS challenges the conventional way of growing by providing the option of vertical and horizontal growth up to 4.8 MW at any point of time.

Online Modular UPS can be configurable in a frame vertically up to 1200 kVA/kW and horizontally up to 4/6 frames reaching 4.8 MW. This UPS have modules in the range of 6/10/15/20/25/30/40/50 and 60 kVA/kW Capacities.

MAIN FEATURES

- Online double conversion with DSP control design VFSS 111
- High input power factor (0.99) and unity power factor (VA=W) output
- High power density design with similar footprint
- Hot-swappable modular design
- 3 level IGBT topology upto 96% Online efficiency
- Structured design with front access for easy maintenance
- Idea input voltage range
- Supports 100% unbalanced load
- Power walk-in function to reduce generator sizing
- Power saving mode
- 4 Frames to parallel 1200kVA to increase the power availability up to 4.8 MW
- Dual input source configuration
- Extended parallel operation up to 6 frames with all 2U modules

OUTDOOR UPS

Power-One provides UPS products in NEMA rated cabinets which will be used in outdoor applications. Protection for the UPS is provided from dust, and low pressure water jets from any direction.

Offered in the capacities of :

1kVA to 100kVA

MAIN FEATURES

- Industrial grade UPS
- Sleek and low foot print
- Sophisticated DSP based digital controlled design
- True sine wave double conversion Online topology
- High efficiency design
- Wide Input range
- RS 485, MODBUS Connectivity



AC EV CHARGERS



Our AC chargers are designed to meet the AIS standards and to operate in all weather conditions. The advanced features of AC EV chargers extend beyond basic charging functionality and these chargers are equipped with smart operation capabilities, enabling users to remotely monitor and control the charging process through various digital interfaces.

Safety features are paramount when it comes to AC EV chargers. They are designed to adhere to rigorous safety standards, incorporating mechanisms to prevent overcharging, overheating and other potential hazards.

Offered in the capacities of :

7.4 kW, 11 kW, 22 kW

MAIN FEATURES

- Charging interface availability : AC type 2
- Built-in RFID card reader
- 4.3" LCD touch screen
- Remote firmware upgrade with app (OTA)
- Shock proof & provides safe-charging
- Connectivity- Wifi, GSM & LAN connectivity
- Multiple authentication modes including RFID card & mobile app
- IP65 rated water resistant
- Protections over current, over voltage, under voltage, ground fault integrated surge protection
- AC EV chargers are suitable for apartments, Cafeteria, Restaurants, Cinema, Malls, Corporates and Fleet Operators etc

DC EV CHARGERS

Our DC EV chargers supports a wide range of electric vehicles, ensuring that you can charge all makes and models of EV's with ease. This versatility makes them a valuable addition to public charging stations, commercial facilities and more. DC chargers come equipped with user-friendly interfaces that guide you through the charging process. Simply plug in your vehicle, follow the prompts, and enjoy a seamless charging experience with safety measures as priority.

DC Chargers are designed not only for functionality but also for aesthetics with a sleek, compact and durable design. They blend seamlessly into various environments whether it is a commercial space or a public charging station.

Offered in the capacities of :

30kW, 60kW, 120kW, 180kW, 240kW, 360kW, 144kW(AC-DC Combo)

MAIN FEATURES

- Wider DC Output : voltage range 200V to 1000V
- Constant output power per module
- High charging current up to 250A
- Faster charging efficiency
- Connectivity- GSM & LAN connectivity
- Built-in RFID card reader
- 7" LCD touch screen
- Remote firmware upgrade with app (OTA)
- JP54 rated water resistant
- Supports multiple charging standards : CCS2, GB/T and CHAdeMO
- Available with Combo chargers in single unit
- Protections : Surges, over current, under/over voltage over temperature
- Compatible with all the CMS service providers
- Complies as per the standards defined AIS 138, IS 17017 and IEC 61851
- DC EV chargers are suitable for the highways, Corporates, Mall, Fuel Stations, Charging Points Operators and Fleet Operators etc.



ISOLATION TRANSFORMERS

Isolation transformers are dual winding transformers with Galvanic Isolation between primary and secondary windings. They are available with Step-up, Step-down and 1:1 configuration with wide power range from 500VA to 1MW.

Offered in the capacities of :

Single Phase Ratings : 1kVA, 2kVA, 3kVA, 5kVA, 7.5kVA, 10kVA, 15kVA, 20kVA, 25kVA and 30kVA

Three Phase Ratings : 3kVA, 7.5kVA, 10kVA, 12.5kVA, 15kVA, 17.5kVA, 20kVA, 25kVA, 30kVA, 40kVA, 50kVA, 60kVA, 80kVA, 100kVA, 150kVA, 200kVA, 250kVA, 300kVA, 400kVA, 500kVA, 600kVA, 800kVA

MAIN FEATURES

- High efficiency & Fast Response : Minimizes energy loss and rapidly adjusts to voltage changes
- Wide input voltage range : Handles a board range of input voltages for greater versatility
- Audible alarm for trips : Notifies users of faults for improved safety and immediate response.
- 99.99% Reliable control circuit : Exceptionally dependable with minimal risk of failure.
- Stable voltage output : Eliminates overshoot, undershoot, and hunting.
- Built-in bypass switch : Reduces likelihood of component failures.
- Gen-set compatible circuit : Specifically designed for generator set use.
- Unaffected by power fluctuations : Maintains performance despite changes in power factor and frequency.
- Single PCB for three phase control : Simplifies design and enhances efficiency in three-phase systems

VOLTAGE STABILIZERS

The Servo Controlled Voltage Stabilizer incorporates an auto transformer paired with a motor and a Buck Boost Transformer. The Buck Boost Transformer features two windings: the primary and the secondary. The primary winding is connected to the Auto Variable Transformer, and the secondary winding is connected in series with the supply line.

Offered in the capacities of :

Single Phase: 1kVA, 2kVA, 3kVA, 5kVA, 10kVA, 15kVA.

Three Phase: 5kVA, 7.5kVA, 10kVA, 15kVA, 20kVA, 25kVA, 30kVA, 40kVA, 50kVA, 60kVA, 75kVA, 80kVA, 100 kVA, 800kVA 100kVA,150kVA, 200kVA, 250kVA, 300kVA,400kVA, 500kVA, 600kVA, 800kVA

MAIN FEATURES

- Energy efficient : Minimizes power loss during operation
- K-rating options : Offers K13 and K20 ratings with all copper windings for better conductivity.
- Double-sized neutral conductor : Ensures stability and safety under higher loads
- Supports linear and non-linear loads : Suitable for diverse electrical demands
- Double shielding : Provides superior noise attenuation in noisy environments
- Multi-tapped : flexible voltage adjustment within single transformer
- Low impedance & Temperature Rise : Enhances performance and durability
- Electrostatic shielding: Reduces electrical interference between windings
- 200% Rated neutral capacity : Handles twice the standards current capacity



ENERGY STORAGE SYSTEM

Residential Energy Storage System :

We offer in two variants : SmartE Resi Basic and SmartE Resi Premium. Smart E Resi Basic is offered with LFP batteries of 3,000 life cycles in capacities of 2kW, 3kW, 4kW, 5kW Single phase, 10kW & 15kW Three Phase with 1 hour to 4 hours battery backup option

Smart E Resi Premium is offered with CATL LFP batteries (world's best and largest Li-ion cell manufacturer) with 10,000 life cycles in capacities of 3.6kW, 5kW Single Phase and 10kW Three Phase with battery pack capacities of 5kWh, 10kWh, 15kWh, 20kWh.

Commercial & Industrial Energy Storage System :

The Commercial & Industrial (C&I) Energy Storage System is a highly adaptable solution designed for small to medium-scale commercial and industrial energy storage applications. It offers tailored configurations to meet specific load demands and battery backup requirements. Available in capacities ranging from 10 kW to 250 kW, it leverages advanced lithium-ion (Li-Ion) battery technology to provide reliable and efficient backup power, customized to suit each client's unique needs.

MAIN FEATURES

- Plug and play installations with built-in fuse protections
- Pure sine wave output
- Self-consumption and feed-back to the Grid
- Programmable supply priority for PV, Battery or Grid with features such as Load Shifting, Peak shaving
- User-adjustment battery charging current
- Programmable multiple operation modes : Grid-Tie, Off-Grid and Grid-Tie with backup
- Built-in timer for various mode of ON/OFF operation
- Multiple communication for USB, RS 232, MODBUS, SNMP, GPRS, CAN2.0 and Wi-Fi
- Monitoring software for real-time status display and control
- Scalable Li-ion battery management system
- High Efficiency
- High Charge/ Discharge rate (Fast charging in 1-2 hours compared to 8-10 hours for lead acid batteries)
- Greater than 3,000 life cycles @90% DoD for Smart E basics, up to 6000 life cycles @100% DoD for Smart C&I





SOLAR ON GRID INVERTERS | SOLAR HYBRID INVERTERS | SOLAR OFF GRID INVERTERS | ENERGY STORAGE SYSTEM |
EV CHARGERS | ONLINE UPS SYSTEMS | MODULAR UPS SYSTEMS | OUTDOOR UPS | SOLAR POWER PLANTS |
SERVO CONTROLLED VOLTAGE STABILIZERS | ULTRA ISOLATION TRANSFORMERS |
FREQUENCY CONVERTERS | ACTIVE HARMONIC FILTERS | INDUSTRIAL SINEWAVE INVERTERS

Our Presence

 **Head Quarters - Bangalore**



Sales/Service Centers

NORTH

Jammu
Srinagar
Kanpur
Dehradun
Gorakhpur
Indore
Chandigarh
Jaipur
Delhi
Lucknow
Bhopal

SOUTH

Hubli
Mangalore
Manipal
Mysore
Belgavi
Gulbarga
Shivamogga
Karwar
Vijayapura
Tirupati
Trichy
Madurai
Coimbatore
Davanagere
Raichur
Puducherry
Chitradurga
Chennai
Calicut
Cochin
Hyderabad
Vijayawada
Visakhapatnam
Trivandrum
Bellari
Alappuzha
Vijaynagar

WEST

Nagpur
Nashik
Goa
Rajkot
Mumbai
Ahmedabad
Pune

EAST

Jamshedpur
Ranchi
Kolkata
Siliguri
Bhagalpur
Gaya
Dhanbad
Patna
Raipur
Bhubaneswar
Guwahati
Purnia
Muzaffarpur

450+ Employees

50+ Sales/Service Centers

160+ Service Engineers

400,000+ Installations

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 **Head Quarters**

GF-3, KSSIDC Multi-Storied Building,
5th Cross, 1st Stage, Peenya Industrial Estate,
Bengaluru, PIN-560058

 **Factory**

No 471, D-2, 4th Phase, Near Brindavan Bus
Stop, Peenya Industrial Area, Bengaluru,
PIN-560058